

FIG. 1

16a

Quadrature Mach-Zehnder Modulation Device

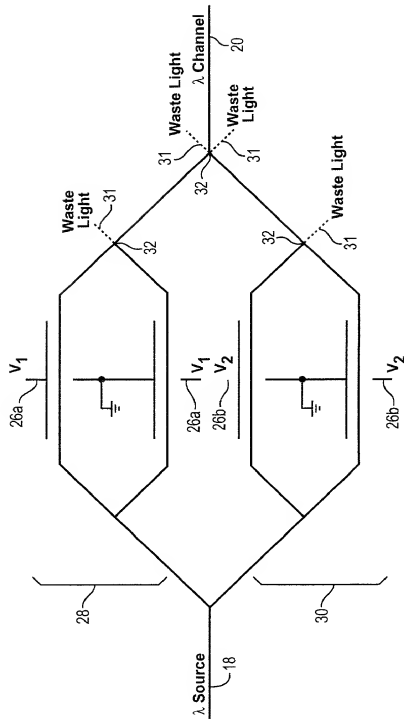


FIG. 2

Mach-Zehnder Device Transfer Function

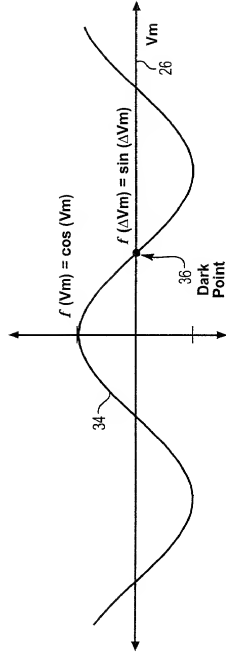


FIG. 3

12

Modulation Synthesizer

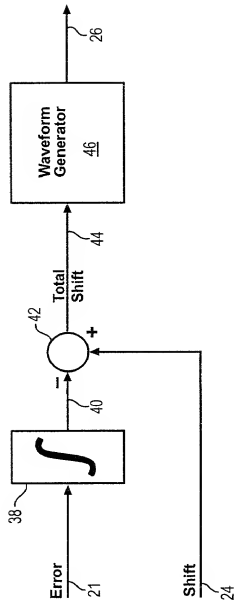


FIG. 4

12

Quadrature Modulation Synthesizer (With On/Off Data Keying)

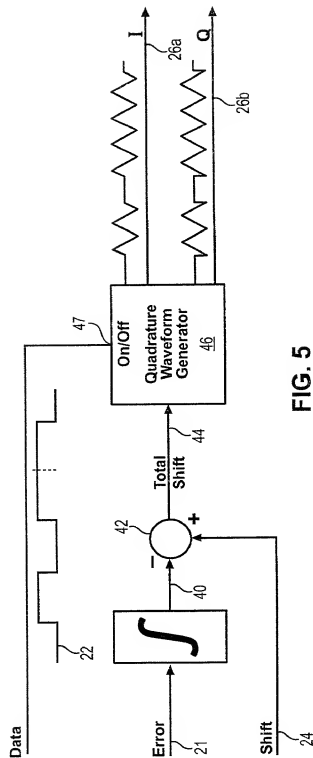


FIG. 5

Phase Modulation Device

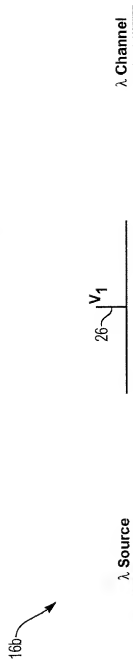


FIG. 6

Modulation Synthesizer (With Frequency Shift Keying)

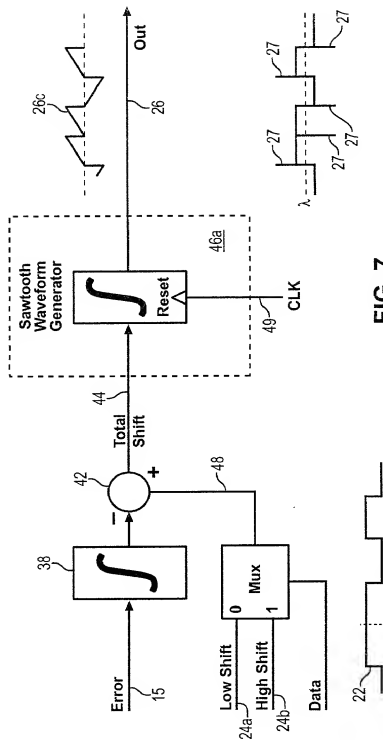


FIG. 7

Wavelength Error Detector
(Fixed Wavelength)

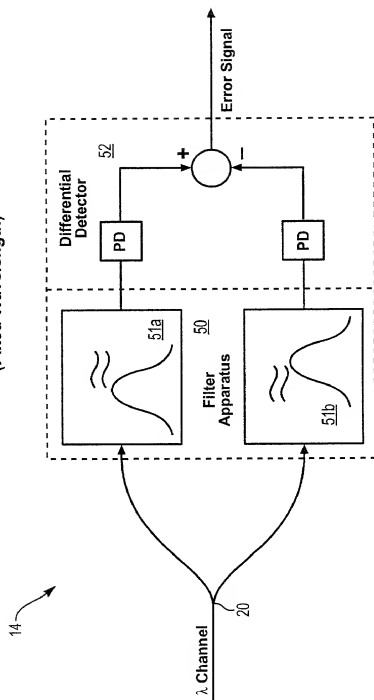


FIG. 8

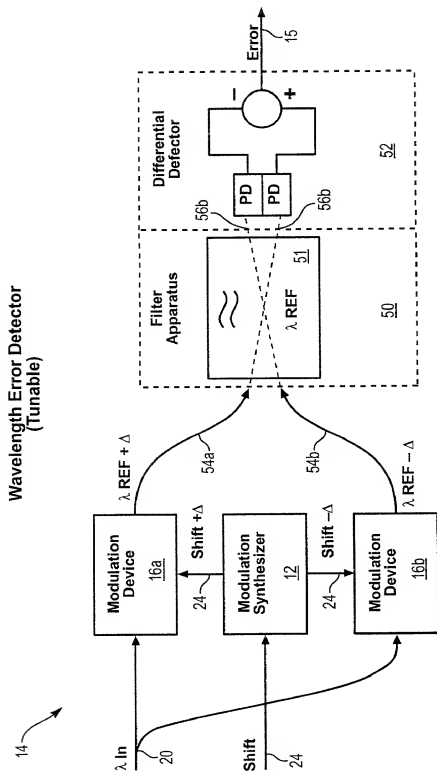


FIG. 9

Channel Allocation Mechanism

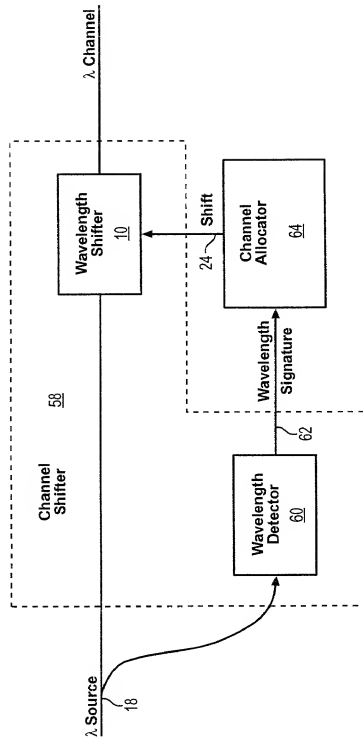


FIG. 11

70 →

Tunable Wavelength Stabilized Transmitter

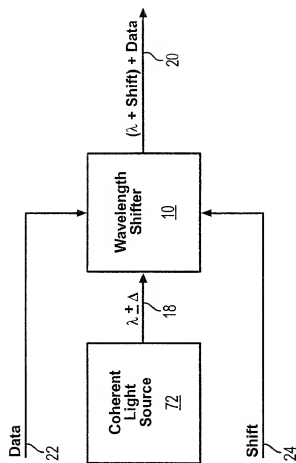


FIG. 12

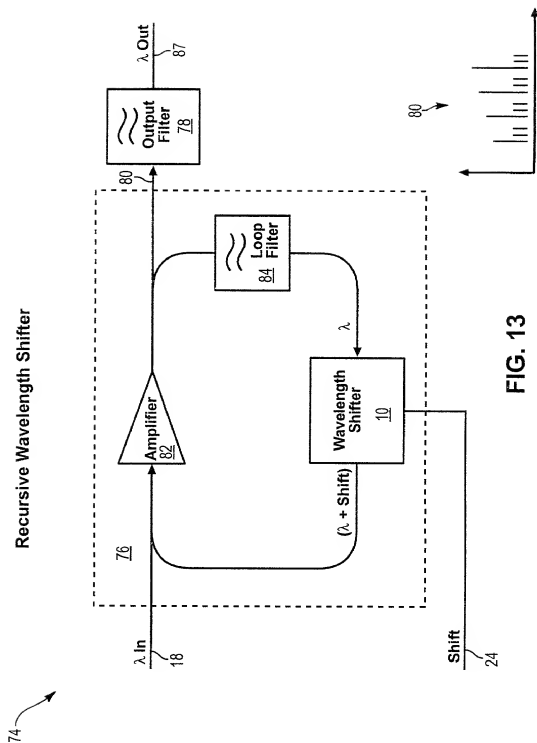


FIG. 13

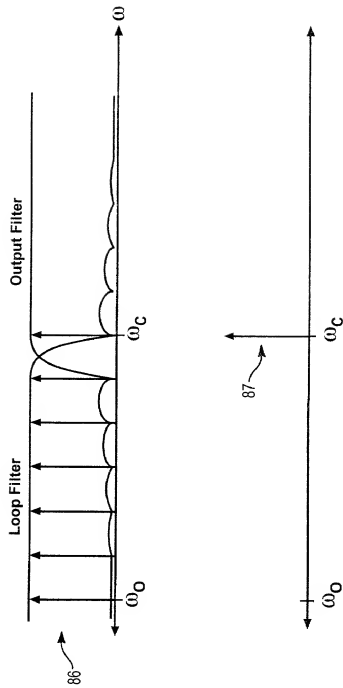


FIG. 14